L Number	Hits	Search Text	DB	Time stamp
1	11704	"hiv-1" or "hiv 1" or "human innunodeficiency virus type 1"	USPAT; US-PGPUB; DERWENT	2003/09/10 09:03
2	4140	subtype$ near10 (a or b or c or d or e or f or g or h)	USPAT; US-PGPUB; DERWENT	2003/09/10 09:39
3	484	("hiv-1" or "hiv 1" or "human innunodeficiency virus type 1") and (subtype$ near10 (a or b or c or d or e or f or g or h))	USPAT; US-PGPUB; DERWENT	2003/09/10 09:38
4	153	("hiv-1" or "hiv 1" or "human innunodeficiency virus type 1") same (subtype$ near10 (a or b or c or d or e or f or g or h))	USPAT; US-PGPUB; DERWENT	2003/09/10 09:38
5	809	subtype$ near10 ((a near4 (b or c or d or e or f or g or h)) or (b near4 (c or d or e or f or g or h)) or (c near4 (d or e or f or g or h)) or (d near4 (e or f or g or h)))	USPAT; US-PGPUB; DERWENT	2003/09/10 09:41
7	82	("hiv-1" or "hiv 1" or "human innunodeficiency virus type 1") same (subtype$ near10 ((a near4 (b or c or d or e or f or g or h)) or (b near4 (c or d or e or f or g or h)) or (c near4 (d or e or f or g or h)) or (d near4 (e or f or g or h))))	USPAT; US-PGPUB; DERWENT	2003/09/10 09:53
8	66	(("hiv-1" or "hiv 1" or "human innunodeficiency virus type 1") same (subtype$ near10 ((a near4 (b or c or d or e or f or g or h)) or (b near4 (c or d or e or f or g or h)) or (c near4 (d or e or f or g or h)) or (d near4 (e or f or g or h))))) and (env or c2 or v3 or c3)	USPAT; US-PGPUB; DERWENT	2003/09/10 09:54
9	36	(("hiv-1" or "hiv 1" or "human innunodeficiency virus type 1") same (subtype$ near10 ((a near4 (b or c or d or e or f or g or h)) or (b near4 (c or d or e or f or g or h)) or (c near4 (d or e or f or g or h)) or (d near4 (e or f or g or h))))) same (env or c2 or v3 or c3)	USPAT; US-PGPUB; DERWENT	2003/09/10 10:03
10	0	"62492110"	USPAT; US-PGPUB; DERWENT	2003/09/10 10:03
11	3	"6492110"	USPAT; US-PGPUB; DERWENT	2003/09/10 10:03

L6 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2000:388661 CAPLUS
DOCUMENT NUMBER: 133:39074
TITLE: A kit for diagnosing HIV-1-related diseases by determining HIV-1 provirus DNA
INVENTOR(S): Kato, Shingo; Hiraishi, Yoshiyuki; Sugita, Tetsuyoshi
PATENT ASSIGNEE(S): Gakko Hojin Kaio Gijuku, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000157299	A2	20000613	JP 1998-340303	19981130
JP 3334086	B2	20021015		

PRIORITY APPLN. INFO.: JP 1998-340303 19981130

AB A method is described for detg. HIV-1 provirus DNA in a sample by amplifying and detecting the specific site in HIV-1 provirus DNA by a competitive nested PCR using primers complementary to the parts of HIV-1 provirus DNA sequence. A kit is claimed for diagnosing the progress degree of HIV-1-related diseases and for evaluating the effectiveness of therapy for HIV-1-related diseases by using as an index the amt. of HIV-1 provirus DNA detd. by this method. HIV-1 provirus DNA showed a higher correlation with CD4 value than HIV-1 RNA concn. did. A correlation was also obsd. between HIV-1 provirus DNA and infectious HIV-1 concn.

IT **274947-53-4**
RL: PRP (Properties)
(unclaimed nucleotide sequence; kit for diagnosing HIV-1-related diseases by detg. HIV-1 provirus DNA)

L6 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1997:540780 CAPLUS
DOCUMENT NUMBER: 127:243713
TITLE: Tracking changes in HIV-1 envelope quasispecies using DNA heteroduplex analysis
AUTHOR(S): Delwart, Eric L.; Gordon, Cynthia J.
CORPORATE SOURCE: Aaron Diamond AIDS Res. Cent., Rockefeller Univ., New York, NY, 10016, USA
SOURCE: Methods (San Diego) (1997), 12(4), 348-354
CODEN: MTHDE9; ISSN: 1046-2023
PUBLISHER: Academic
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A DNA heteroduplex tracking assay (HTA) using single-stranded probes is described. This assay provides a rapid means of resolving genetic variants coamplified by PCR and of measuring the level of particular variants in complex populations. To confidently detect minor quasispecies changes, the importance of maximizing template input into nested PCR (nPCR) and of duplicating nPCR and HTA to ensure correct population sampling is highlighted. The sensitivity of detection of rare variants within a genetically mixed population using single-stranded DNA probes is shown to be 1:500. The effects of nucleotide substitution at different locations on heteroduplex electrophoretic mobility are used to illustrate the limits of HTA for mutation detection. This simple assay may be used to track the evolution of HIV as well as to address issues of contamination and transmission.

IT **195538-86-4**
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(ED7 primer; tracking changes in HIV-1 envelope quasispecies using DNA

RELATED SEQUENCES AVAILABLE WITH SEQLINK
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

L4 ANSWER 21 OF 21 REGISTRY COPYRIGHT 2003 ACS on STN
RN 195538-86-4 REGISTRY
CN DNA, d(C-T-G-T-T-A-A-A-T-G-G-C-A-G-T-C-T-A-G-C) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 20: PN: WO0077219 SEQID: 20 claimed DNA
SQL **20**

SEQ 1 ctgttaaatg gcagtctagc
       ========== ==========
HITS AT: 1-20